

IN THE CLAIMS:

1 1. (Currently Amended) Apparatus for interactively generating a display signal, the
2 apparatus comprising:
3 a receiver [[for]] receiving a broadcast signal, the broadcast signal comprising at
4 least one datastream including a sequence of video frames, data defining a background object
5 corresponding to each video frame, and control parameters; and
6 a processing system [[for]] generating a foreground computer generated object
7 (CGO), ~~for monitoring the position of the foreground CGO with respect to the background~~
8 ~~object,~~ and [[for]] combining the foreground CGO with the background object ~~in accordance~~
9 ~~with the control parameters and the image data from the receiver in each video frame to generate~~
10 the display signal, and monitoring the position of the foreground CGO with respect to the
11 background object.

1 2. (Previously Presented) Apparatus according to claim 1 wherein the control
2 parameters define the position(s) of one or more areas of interaction in the background object,
3 and wherein the processing system modifies the display signal when the position of the
4 foreground CGO coincides with the position of a selected area of interaction.

1 3. (Currently Amended) Apparatus according to claim 2 wherein the control
2 parameters define one or more rules associated with ~~the or~~ each area of interaction, and wherein
3 the processing system modifies the display signal in accordance with ~~the or~~ each rule associated
4 with the selected area of interaction.

1 4. (Previously Presented) Apparatus according to Claim 1 wherein the processing
2 system modifies the display signal by modifying the foreground CGO.

1 5. (Previously Presented) Apparatus according to Claim 1 wherein the broadcast
2 signal comprises a plurality of datastreams, the receiver being responsive to an upload request
3 signal to select one of the datastreams, and wherein the apparatus further comprises means for
4 inputting upload request signals to the receiver in response to input from a user.

1 6. (Previously Presented) Apparatus according to claim 5 wherein the processing
2 system modifies the display signal by inputting an upload request signal to the receiver.

1 7. (Previously Presented) Apparatus according to Claim 1 further comprising a user
2 operable controller for controlling the foreground CGO generated by the processing system.

1 8. (Previously Presented) Apparatus according to Claim 1 wherein the control
2 parameters define the three-dimensional position of a feature in the background object, and
3 wherein the processing system causes the foreground CGO to be at least partially obscured when
4 the monitored position of the foreground CGO lies behind the three-dimensional position of the
5 feature.

1 9. (Currently Amended) A method of interactively generating a display signal, the
2 method comprising:

3 receiving a broadcast signal, the broadcast signal comprising at least one
4 datastream including a sequence of video frames, data defining a background object
5 corresponding to each video frame, and control parameters;

6 generating a foreground computer generated object (CGO);

7 ~~monitoring the position of the foreground CGO with respect to the background~~
8 ~~object; and~~

9 combining the foreground CGO with the background object ~~in accordance with~~
10 ~~the control parameters and with the~~ in each video frame to generate the display signal; and
11 monitoring the position of the foreground CGO with respect to the background
12 object.

1 10. (Previously Presented) A method according to claim 9, wherein the broadcast
2 signal comprises a plurality of datastreams, the method further comprising selecting one of the
3 datastreams to be received.

1 11. (Previously Presented) A method according to claim 10, wherein each datastream
2 includes a sequence of video frames each representing alternative views relating to a common
3 subject.

1 12. (Previously Presented) A method according to claim 10, wherein the selecting
2 step occurs when the foreground CGO is located at a predetermined position relative to the
3 background object.